

The diagram illustrates a computer system architecture. At the top center is a large rectangular block representing the CPU, with a grid of pins on its top and bottom edges. To the left of the CPU is a vertical stack of four rectangular blocks representing memory modules. To the right of the CPU is a horizontal row of three rectangular blocks representing storage devices. Below the CPU is a large rectangular block representing a system bus or control unit, with a grid of pins on its top and bottom edges. To the left of this unit is a vertical stack of four rectangular blocks representing input/output units. To the right of this unit is a large rectangular block representing a system bus or control unit, with a grid of pins on its top and bottom edges. The diagram uses a grid-like layout with lines representing data and control paths. The components are connected to a central bus system, which is represented by a horizontal line with multiple connection points. The components are connected to this bus system via lines that branch out from the bus. The components are represented by different patterns: a cross-hatch pattern for the CPU and memory modules, a solid black pattern for the storage devices, and a grid pattern for the input/output units. The bus system is represented by a horizontal line with multiple connection points. The components are connected to this bus system via lines that branch out from the bus. The components are represented by different patterns: a cross-hatch pattern for the CPU and memory modules, a solid black pattern for the storage devices, and a grid pattern for the input/output units.

FIG. 1 (PRIOR ART)

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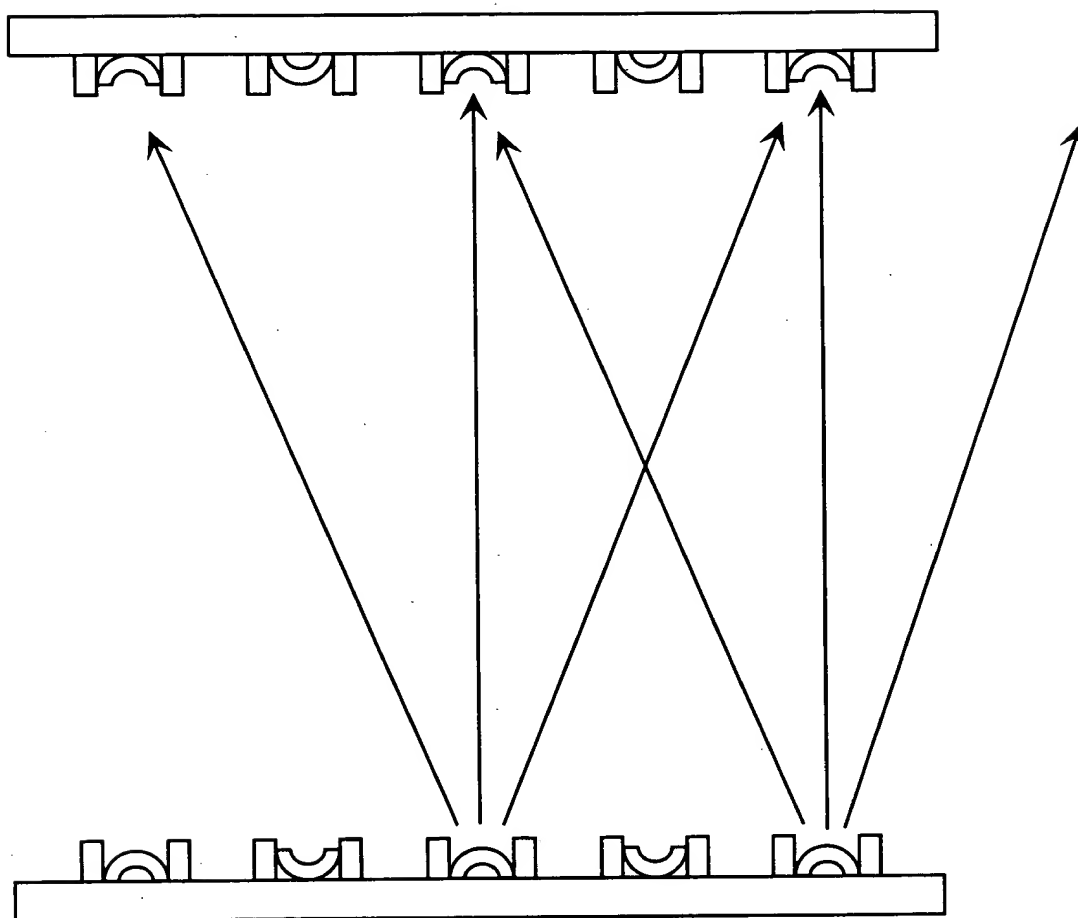


FIG. 2

The diagram illustrates a four-bar linkage mechanism. It consists of two horizontal bars (top and bottom) and two vertical bars (left and right). The joints are as follows:

- Revolute Joints:** Four revolute joints connect the horizontal bars to the vertical bars at the corners. Each joint is represented by a semi-circular symbol with a central dot.
- Prismatic Joints:** Two prismatic joints are located on the vertical bars, one on each. They are represented by a rectangular block with a horizontal slot and a central dot.
- Fixed Supports:** The vertical bars are connected to a fixed frame (indicated by hatched areas) at their top and bottom ends via revolute joints.
- Constraints:** Dashed vertical lines with arrows pointing upwards are shown on the left and right vertical bars, indicating a constraint that prevents vertical movement (likely a guide or a fixed support).

FIG. 3

FIG. 4

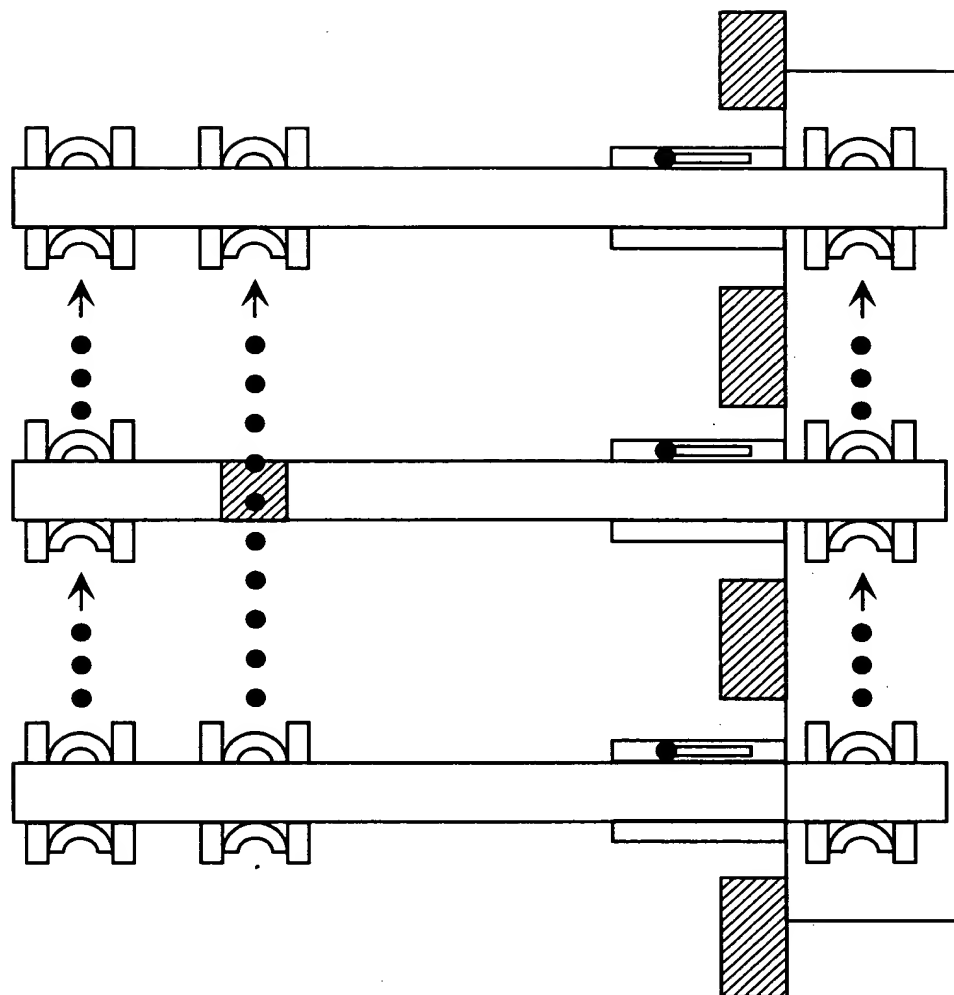


FIG. 4

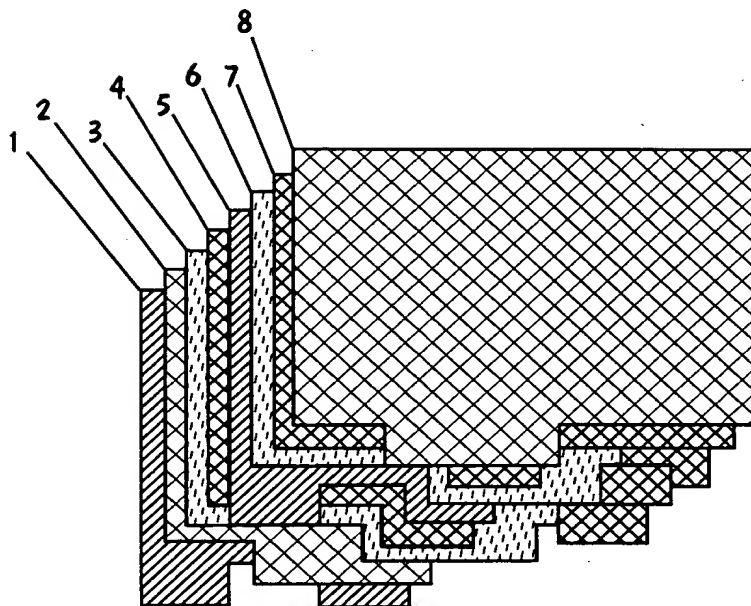


FIG. 5a

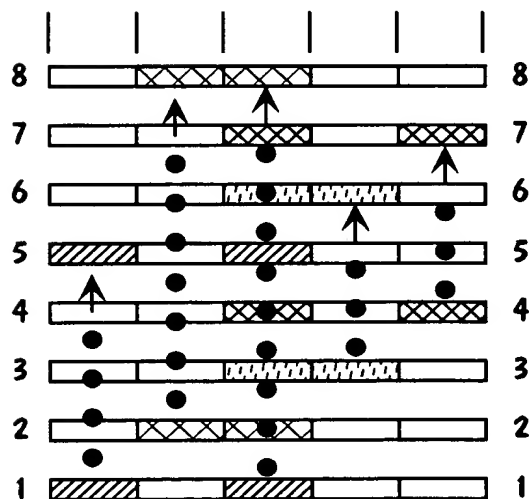


FIG. 5b

FIG. 6